

FIG.1

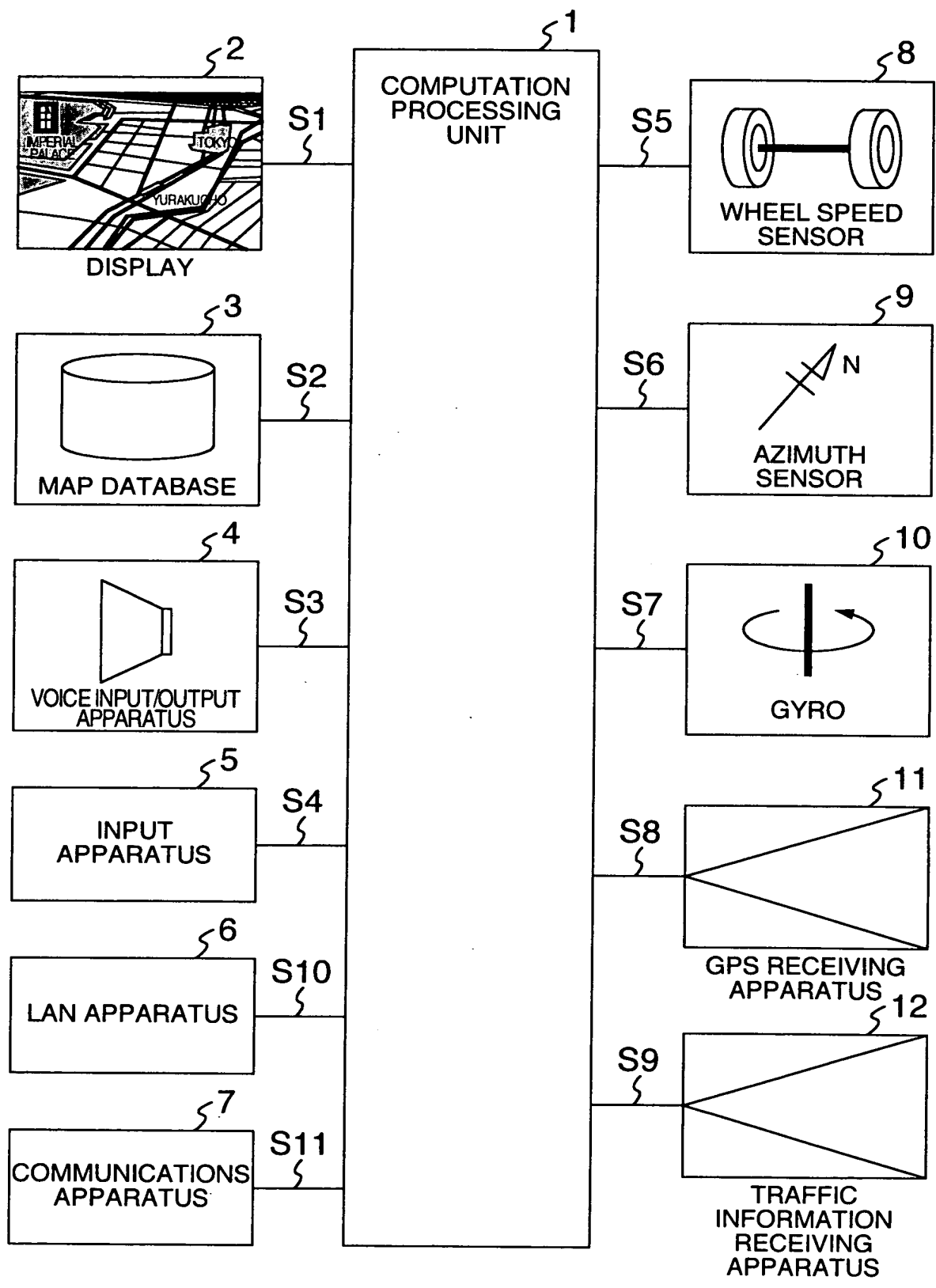


FIG. 1 is a block diagram of a navigation system. The system includes a computation processing unit (1) which is connected to a display (2), a map database (3), a voice input/output apparatus (4), an input apparatus (5), a LAN apparatus (6), a communications apparatus (7), a wheel speed sensor (8), an azimuth sensor (9), a gyro (10), a GPS receiving apparatus (11), and a traffic information receiving apparatus (12). The connections are labeled S1 through S11.

FIG. 2

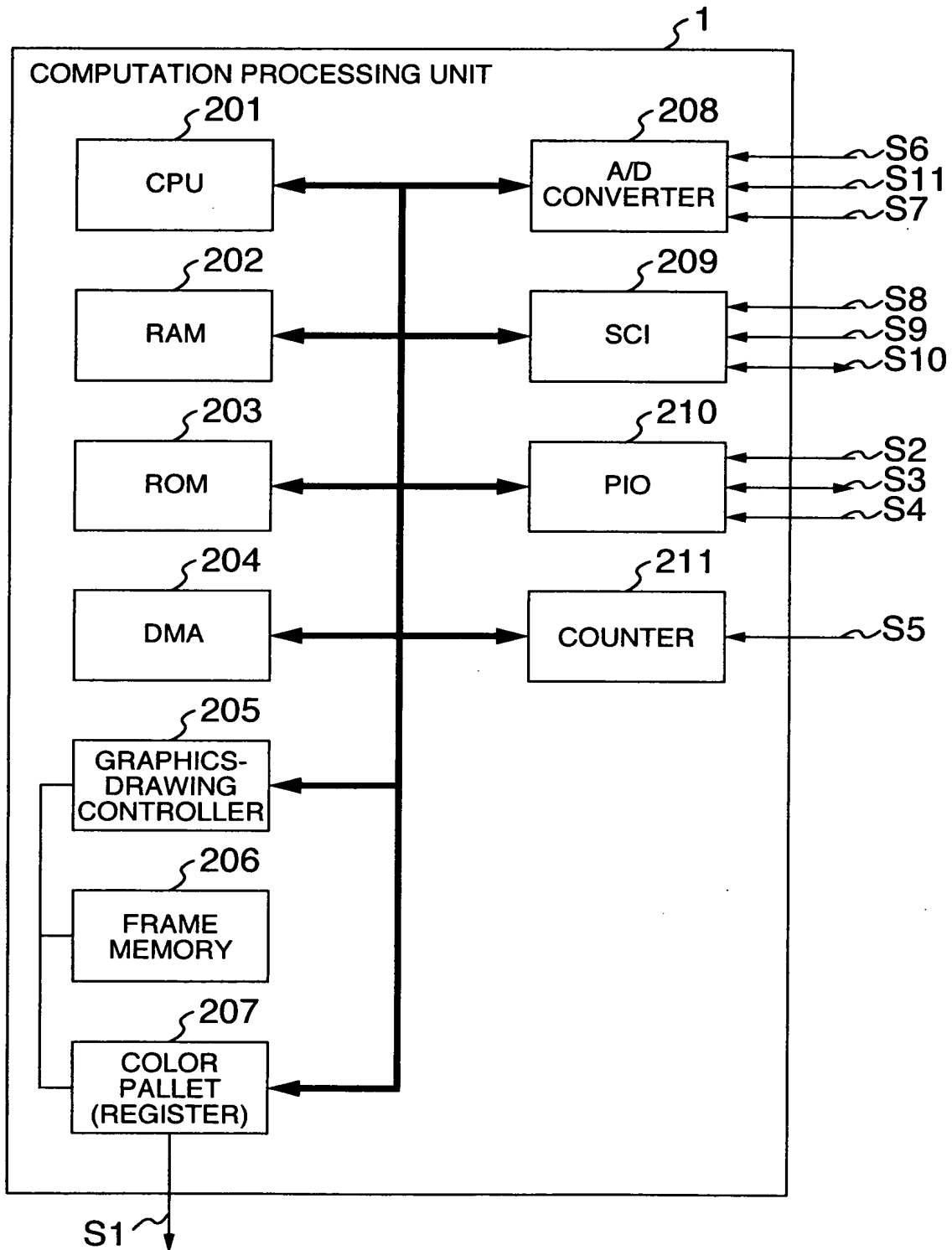


FIG. 3

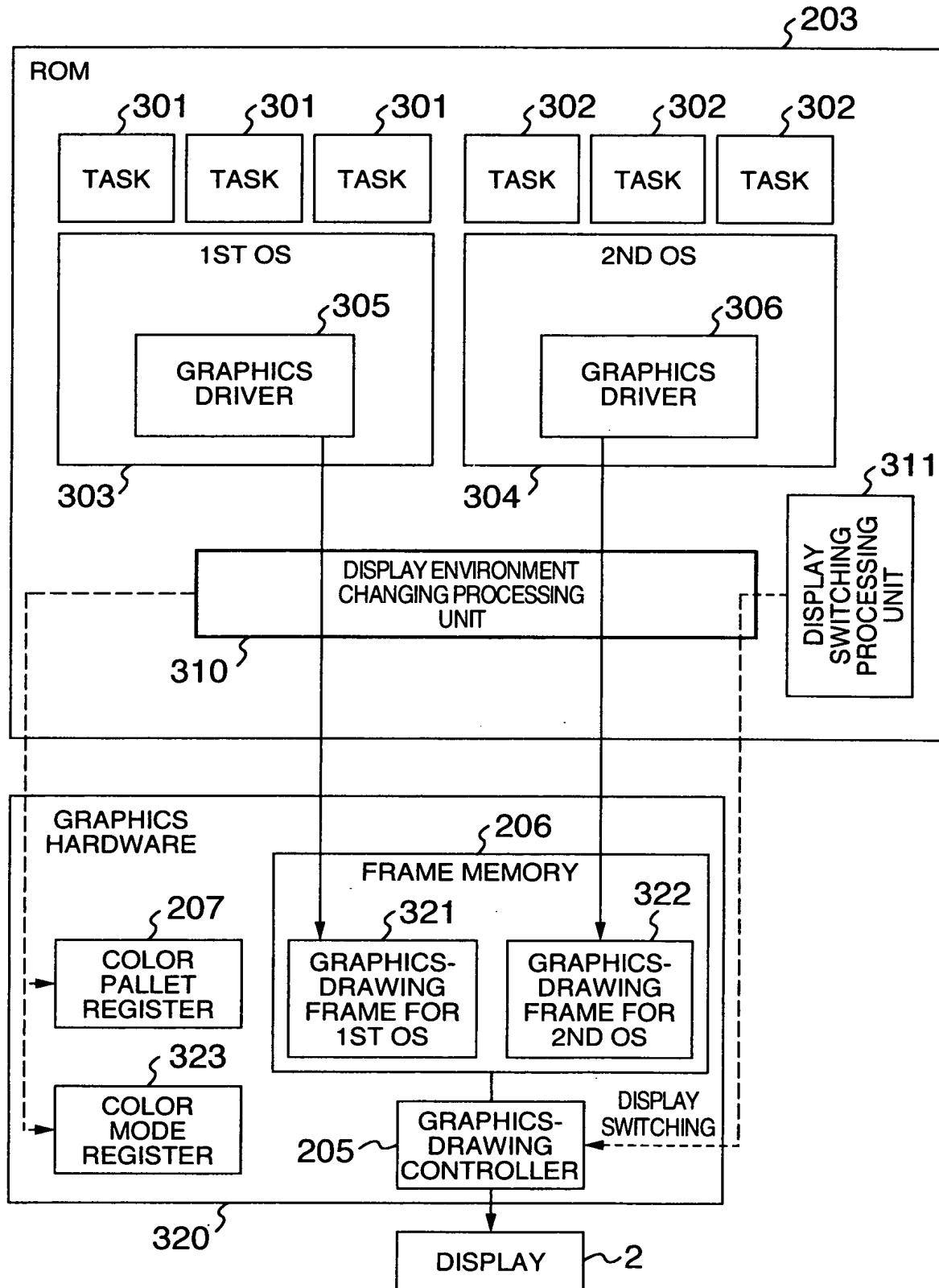


FIG. 4

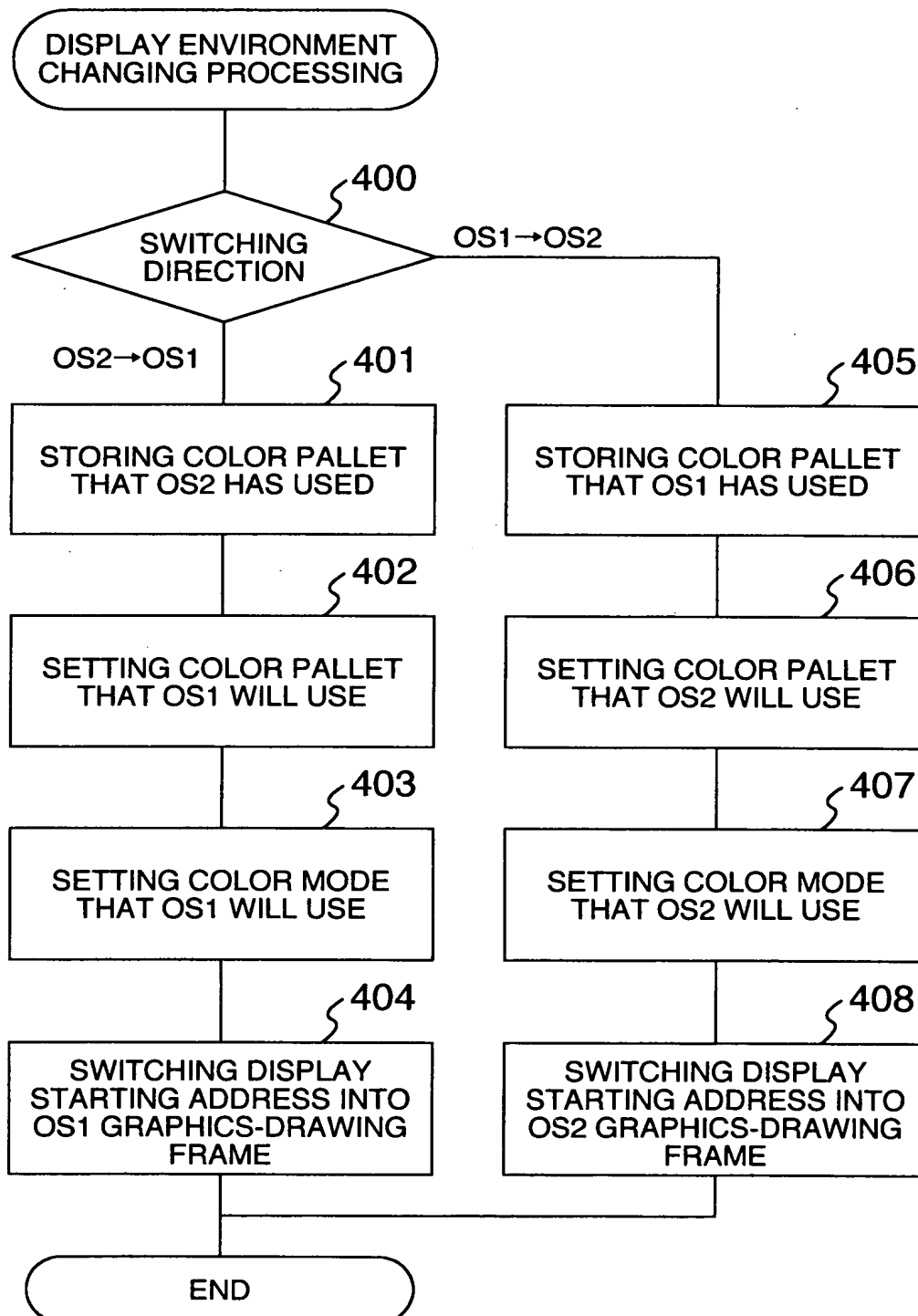


FIG. 5

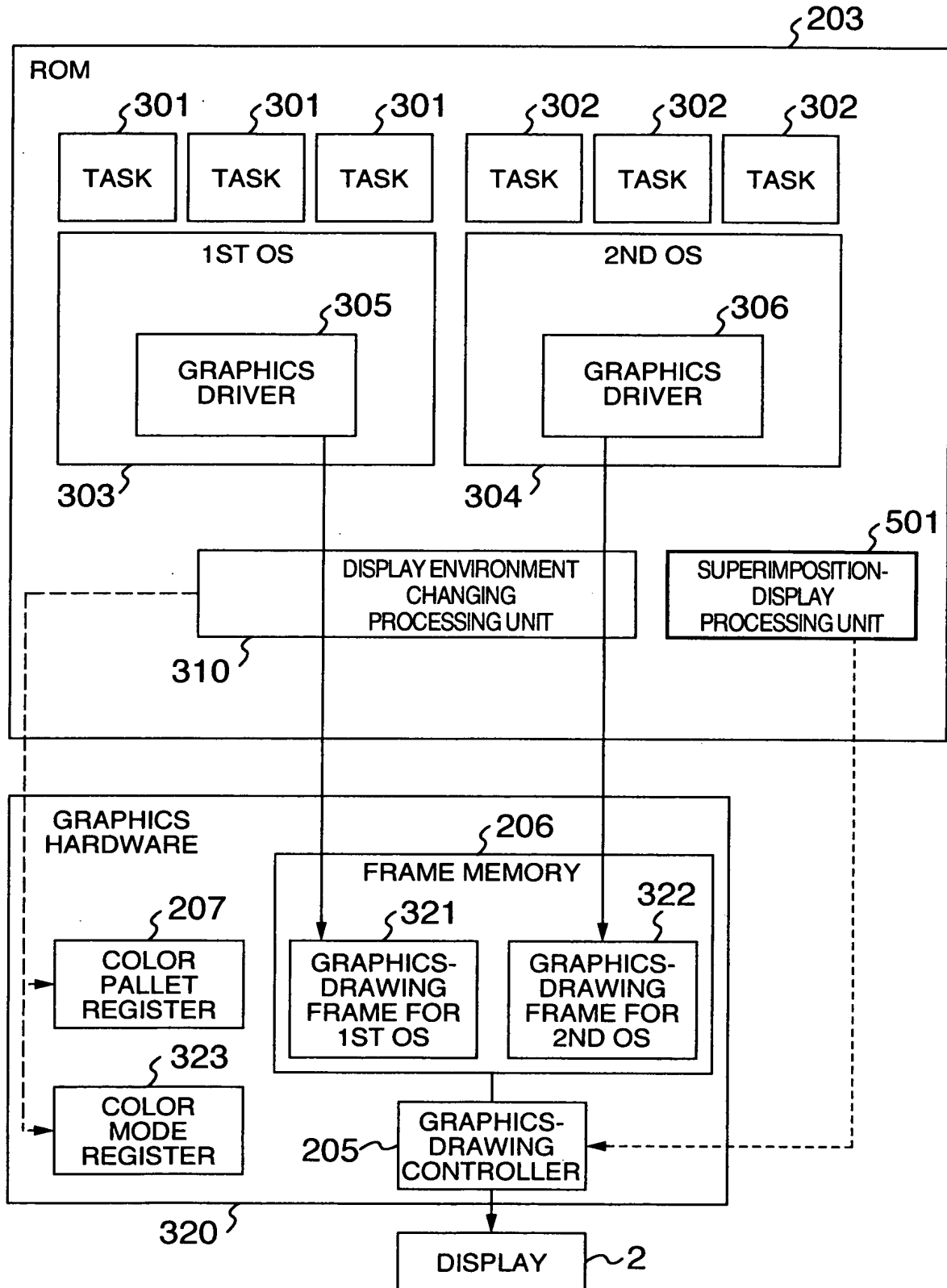


FIG. 6

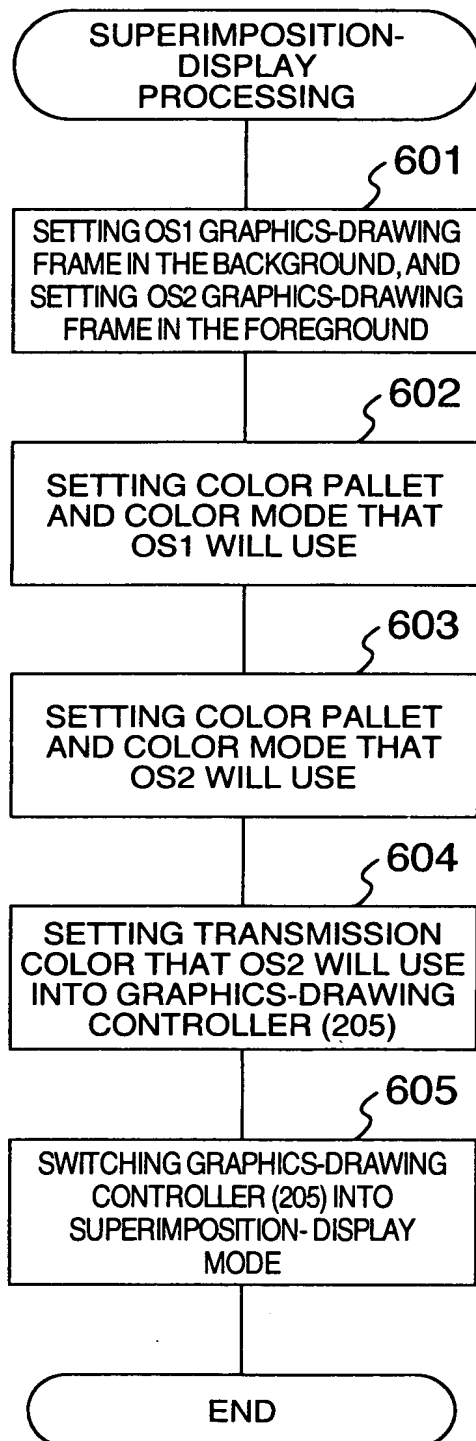


FIG. 7

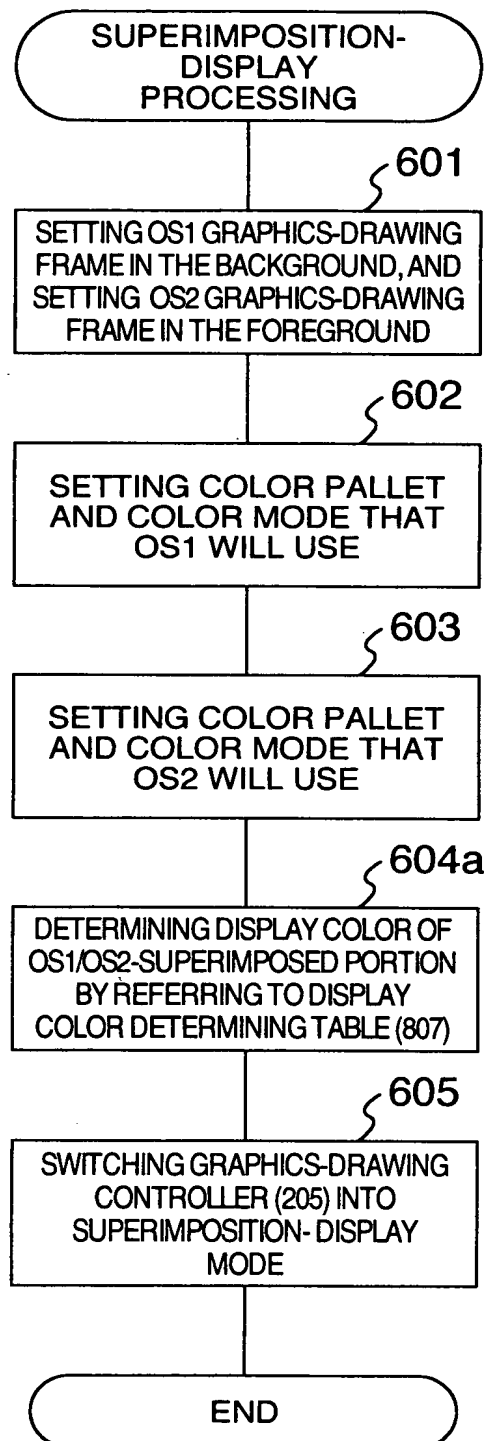


FIG.8A
OS1 GRAPHICS-DRAWING
FRAME

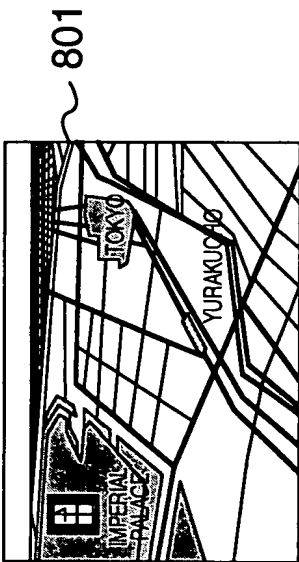


FIG.8B
OS2 GRAPHICS-DRAWING
FRAME

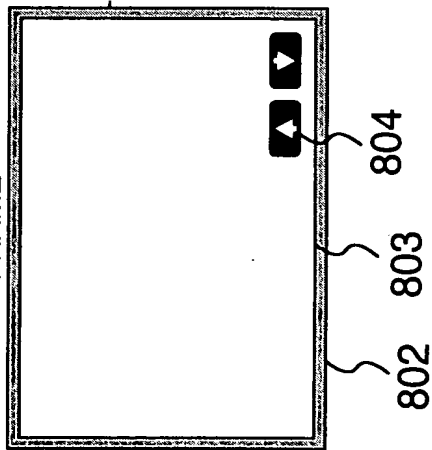


FIG.8C

805 COLOR ID	806 DISTRIBUTION VALUE

807
DISPLAY COLOR
DETERMINING
TABLE

FIG.8D

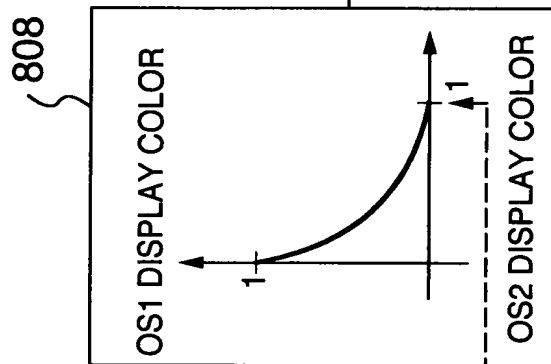


FIG.8E

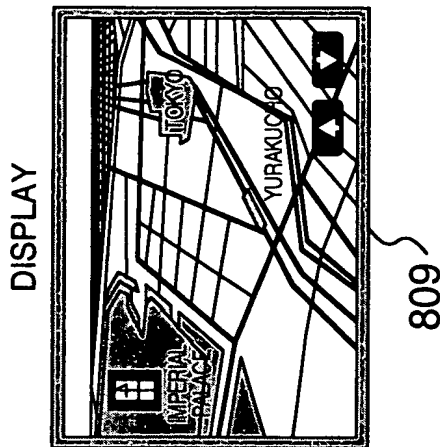


FIG. 9

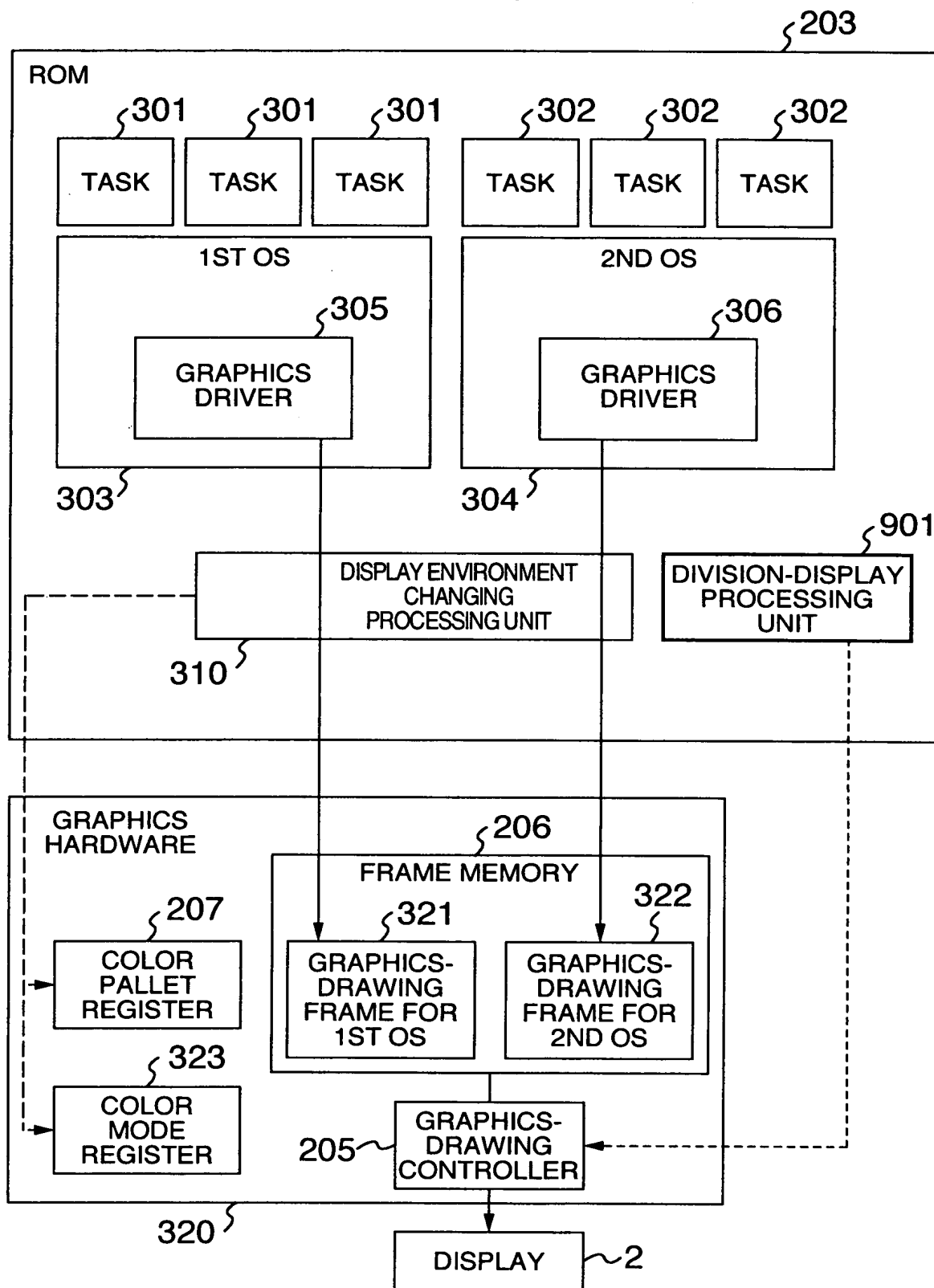


FIG. 10

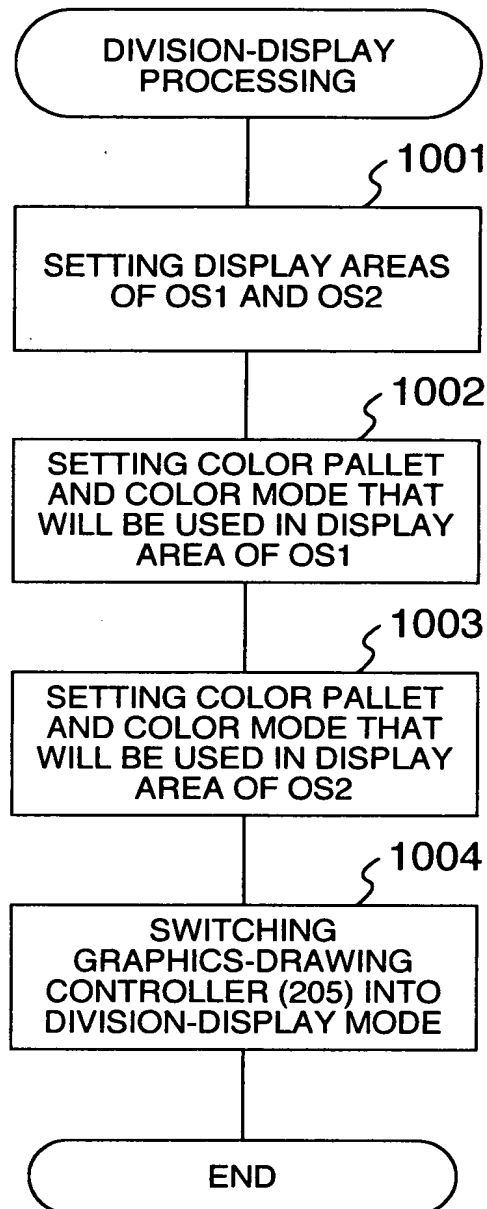


FIG. 11

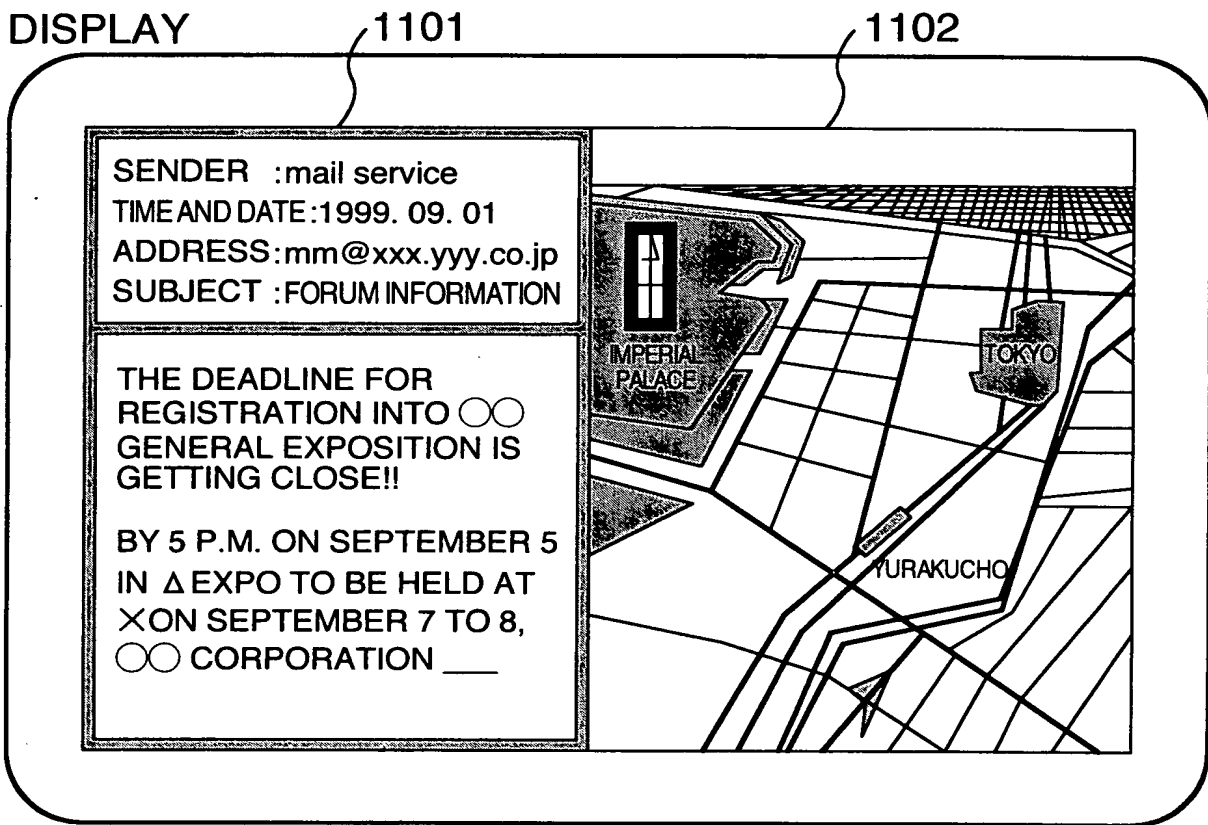


FIG. 12

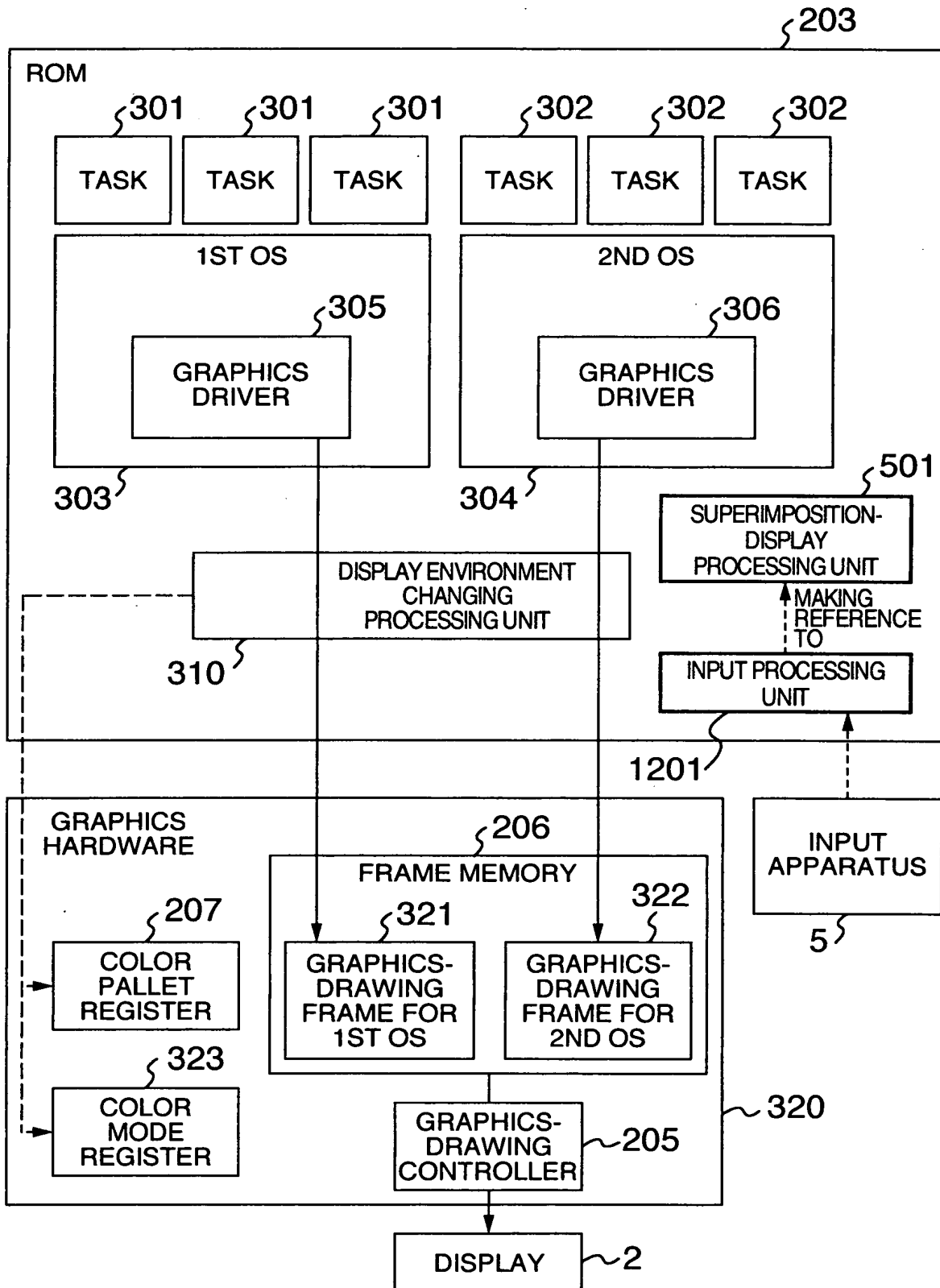


FIG. 13

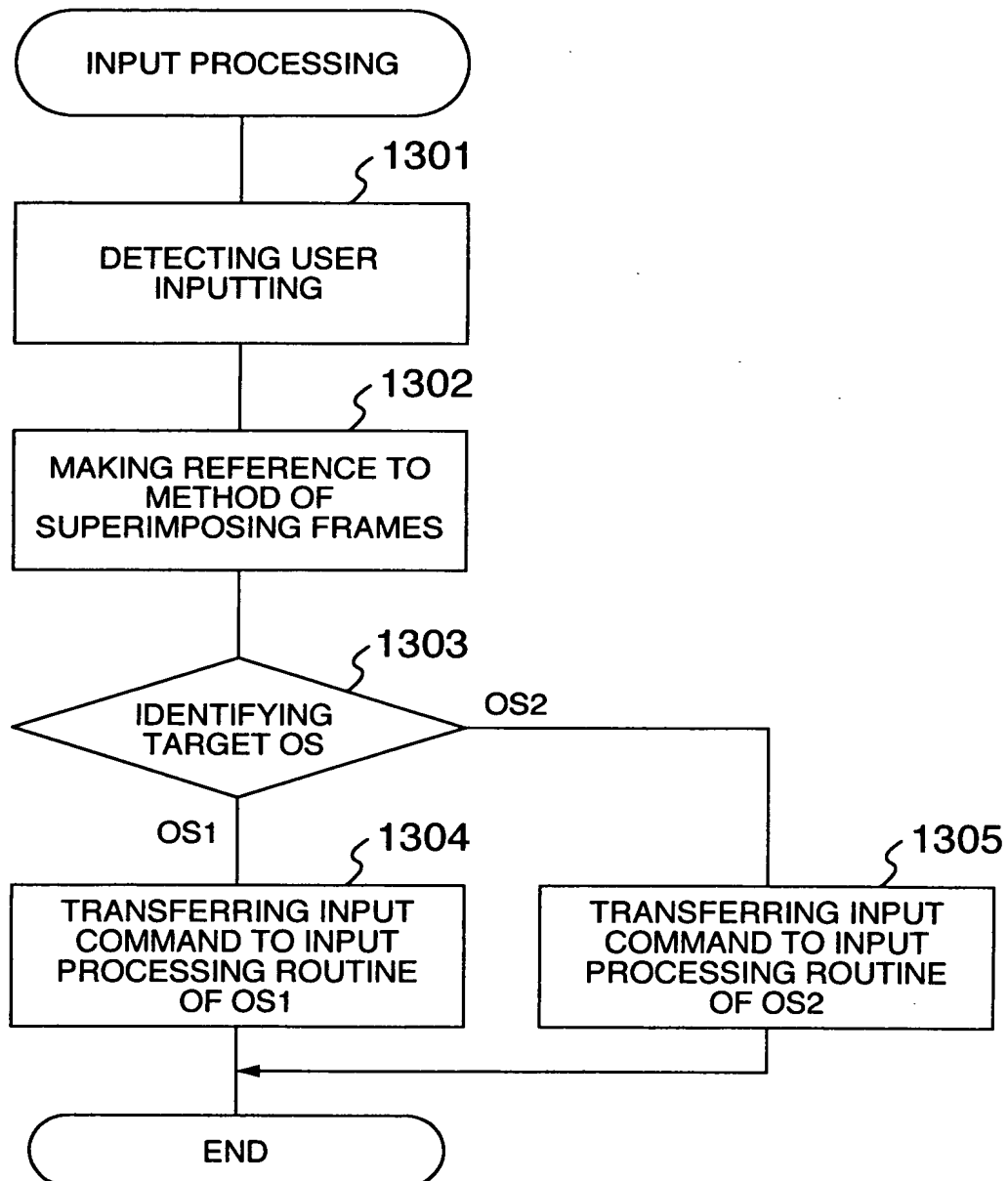
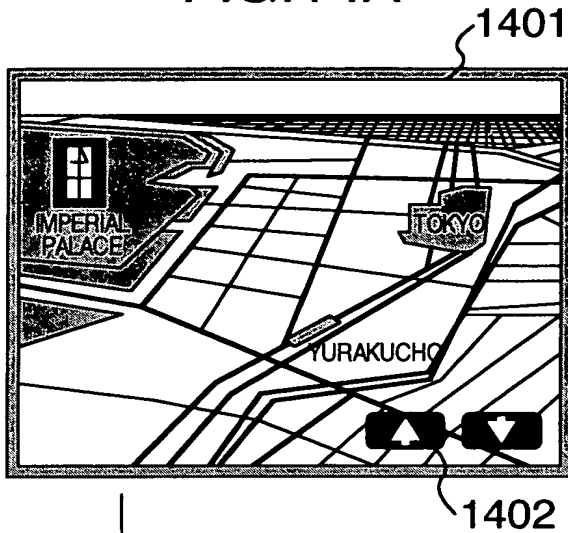
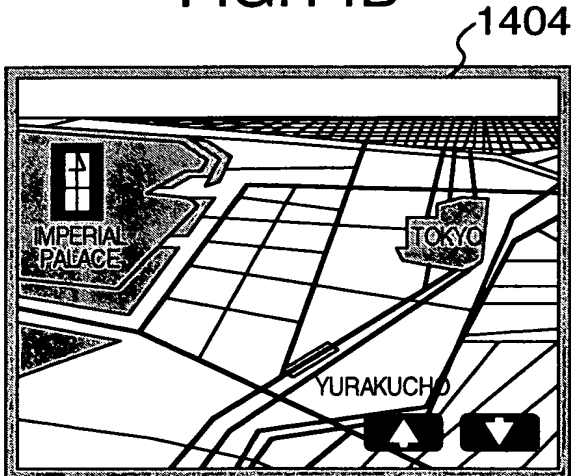


FIG.14A



WHEN  IS PUSHED DOWN,
TRANSFER INPUT COMMAND
TO OS1

FIG.14B



SCROLLING MAP IN DOWNWARD
DIRECTION IN OS1

FIG.14C

SENDER :mail service
TIME AND DATE :1999. 09. 01
ADDRESS :mm@xxx.yyy.co.jp
SUBJECT : FORUM INFORMATION

THE DEADLINE FOR REGISTRATION
INTO ○○ GENERAL EXPOSITION IS
GETTING CLOSE!!

BY 5 P.M. ON SEPTEMBER 5
IN Δ EXPO TO BE HELD AT X ON
SEPTEMBER 7 TO 8,
○○ CORPORATION _____

WHEN  IS PUSHED DOWN,
TRANSFER INPUT COMMAND
TO OS2

FIG.14D

SENDER :mail service
TIME AND DATE :1999. 09. 01
ADDRESS :mm@xxx.yyy.co.jp
SUBJECT : FORUM INFORMATION

BY 5 P.M. ON SEPTEMBER 5
IN Δ EXPO TO BE HELD AT X ON
SEPTEMBER 7 TO 8,
○○ CORPORATION WILL HOLD
FORUM.
THEREFORE, _____

SCROLLING MAIL IN DOWNWARD
DIRECTION IN OS2

FIG. 15

